



ELECTRICAL FLOOR PLAN
MAIN FLOOR 1/8" = 1'-0"

ELECTRICAL PLAN NOTES (CONT.)

- 17 Provide new surface mounted branch panel 125 amp, 120/240 volt, single phase, 3 wire, main top lug, with neutral bus and spare lugs top and bottom. Panel to contain one 40A-2P breaker (office heaters), two 20A-2P breakers (circ. Pumps), six 20A-6P breakers (one for water heater and 5 spare) and 4 spaces. Provide new feeder and feeder overcurrent protection.
- 18 Provide wall heaters, 3KW each, 240 volt, single phase, Chromalox 88F-430, complete with surface wall box, integral thermostat, and disconnect switch. Connect to 40A-2P breaker in new panel in ground floor boiler room using No. 8 conductor throughout.
- 19 Disconnect existing unit heater, and ~~connect~~ ~~to~~ revise existing wiring to make safe.
- 20 Connect new exhaust fan, 1/10 HP, 120 volt, located in ceiling space and controlled by two-way switches so that either light switch will turn "on" this exhaust fan serving both toilets this floor.
- 21 Connect new exhaust fan, 1/10 HP, 120 volt, located in ceiling space and controlled by pair of two-way switches (located in main floor toilet rooms) so that either light switch will turn "on" this exhaust fan serving main floor toilet rooms.
- 22 Provide 1" conduit across space above new ceiling from automatic bell system control location on main floor to junction box in ceiling space above new Men's toilet. This junction box shall intercept existing 3/4" conduit to bell tower.
- 23 Provide receptacle and light switch wiring in wiremold run vertically adjacent to chalk-board trim. Provide finish as directed by Architect.
- 24 Revise existing switch bank in order to accommodate two rows of 4 switches/row (total of eight) by providing surface Wiremold outlet extension/adaptor box for switches. Additional switch leg conduits/outlet box can be provided surface on Kitchen Storage Room wall common to new switch bank. Provide wireways(s), outlet adapters, and fittings complete. Provide additional circuits required to feed lighting load.
- 25 Remove existing outlet and remove or revise existing wiring to make safe.
- 26 Remove existing device(s) and provide blank cover plate.
- 27 Where hashmarks are not shown on conduit, assume 2 No. 12 conductors.
- 28 Relocate existing exit sign as directed by Architect. If unable to salvage fixture, provide new type "E" fixture.
- 29 These rooms shall have two level lighting control. In each room, all fixtures shall be connected with two inner lamps controlled by one switch and two outer lamps controlled by second switch.

- 30 Reconnect a new duplex receptacle at existing outlet.
- 31 New and existing 120 volt receptacle (re)wiring shall not exceed 5 duplex receptacles per circuit and wherever raceway will permit, adjacent receptacles shall be alternated between circuits. New receptacles shown on main floor shall be flush and fed by wiring installed in new ceiling space between floors.
- 32 Relocate existing panel. Reconnect branch circuit and feeder wiring to be salvaged.
- 33 Provide duplex receptacle and control raceway (down) for future automatic bell control system. Provide separate circuit. Verify with Architect prior to rough-in.
- 34 Connect receptacle to existing pulpit circuit.
- 35 New pulpit. Provide duplex receptacle and connect reading lamp. Verify public address requirements and provide, including speaker cable and raceway revisions.
- 36 Disconnect existing unit heater and remove or revise wiring to make safe.
- 37 Duplex receptacle - up 45".
- 38 Provide duplex receptacle under counter for refrigerator - sep. ckt.
- 39 Provide receptacle for coffee machine - sep. ckt.
- 40 NOT USED
- 41 Refer to and coordinate with Architectural reflected ceiling plans and details for final locations and mountings on all lighting fixtures & devices.
- 42 All lighting fixtures, disturbed and scheduled to be reused, shall be repaired, cleaned and relamped. All new fixtures shall include lamps complete.
- 43 Stems and blank cover plates shall be painted to match existing or surrounding area.
- 44 All surface mounted fluorescent lighting fixtures shall have low density label.
- 45 All lay-in grid fixtures shall be installed in accordance with NEC 410-16b.
- 46 Light Track Alternate. Provide an alternative figure (additive) to provide types "H" and "W-1" light track as shown on the plan. The figure shall include an allowance in the amount of \$200.00 for fixtures to be selected by the Architect. The Contractor shall provide two circuits to simultaneously power all 3 lengths of track. The Contractor shall provide new concealed ceiling outlets, if required to accommodate limited selection of mounting accessories and feed track as locations shown on the plan. At no additional cost to the Owner the Contractor has the option to furnish the additional intermediate "joiner" sections of track shown, thus permitting use of a single accessory for feed from an outlet box.
- 47 Provide outlet under counter and branch circuit wiring to connect 2 - burner cook top, 120/240 volt, 1Ø, 3 wire. Verify power requirements prior to rough-in.
- 48 The Contractor shall remove the existing Narthex lighting fixtures and install new fixtures to be selected by the Architect. Provide a fixture allowance in the base bid figure in the amount of \$200.00.
- 49 New partition intersects existing panel and shall be relocated and/or replaced new. If adjacent existing panel, facing corridor, is replaced, incorporate this load into the new panel, reconnecting the existing branch circuit wiring salvaged to the new panel. If this panel is to be relocated, submit new location to the Architect for approval prior to roughing-in.

MORRISON, FUMATAKE
& ASSOCIATES, INC.
CONSULTING ENGINEERS
2007 S. E. ASH
PORTLAND, OREGON 97214



BROWN, BROWN & GRIDER
ARCHITECTS AIA ASTORIA, OREGON

DATE 5-14-77 PROJECT 76241 SHEET

RENOVATIONS
PEACE LUTHERAN CHURCH
ASTORIA, OREGON

E-2